

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.**

Application Serial Number: 10/579,500  
Source: IFWP  
Date Processed by STIC: 5/25/06

# ***ENTERED***



IFWP

## RAW SEQUENCE LISTING

DATE: 05/25/2006

PATENT APPLICATION: US/10/579,500

TIME: 09:36:31

Input Set : A:\Her2SeqLst.txt

Output Set: N:\CRF4\05252006\J579500.raw

3 <110> APPLICANT: PTC Therapeutics, Inc.  
 4 Mehta, Anuradha  
 5 Trotta, Christopher Robert  
 7 <120> TITLE OF INVENTION: Methods and Agents for Screening for Compounds  
 Capable of  
 8 Modulating Her2 Expression  
 10 <130> FILE REFERENCE: 19025.024  
 C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/579,500  
 C--> 13 <141> CURRENT FILING DATE: 2006-05-16  
 15 <150> PRIOR APPLICATION NUMBER: US 60/520,384  
 16 <151> PRIOR FILING DATE: 2003-11-17  
 18 <160> NUMBER OF SEQ ID NOS: 30  
 20 <170> SOFTWARE: PatentIn version 3.2  
 22 <210> SEQ ID NO: 1  
 23 <211> LENGTH: 73  
 24 <212> TYPE: DNA  
 25 <213> ORGANISM: Artificial  
 27 <220> FEATURE:  
 28 <223> OTHER INFORMATION: Synthetic construct  
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 33 ggggagaatg ggt 73  
 36 <210> SEQ ID NO: 2  
 37 <211> LENGTH: 3768  
 38 <212> TYPE: DNA  
 39 <213> ORGANISM: Homo sapiens  
 41 <400> SEQUENCE: 2  
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 44 gcgagcacc aagtgtgcac cggcacagac atgaagctgc ggctccctgc cagtcccag 120  
 46 acccacctgg acatgtctcc ccacctctac cagggctgcc aggtggtgca gggaaacctg 180  
 48 gaactcacct acctgcccac caatgccagc ctgtccttcc tgcaggatat ccaggagggtg 240  
 50 cagggctacg tgctcatcgc tcacaaccaa gtgaggcagg tcccactgca gaggctgcgg 300  
 52 attgtgagag gcacccagct ctttgaggac aactatgccc tggccgtgct agacaatgga 360  
 54 gacccgctga acaataccac cctgtcaca ggggcctccc caggaggcct gcgggagctg 420  
 56 cagcttcgaa gcctcacaga gatcttgaag ggaggggtct tgatccagcg gaacccccag 480  
 58 ctctgctacc aggacacgat tttgtggaag gacatcttcc acaagaacaa ccagctgggt 540  
 60 ctcacactga tagacaccaa ccgctctcgg gctgccacc cctgttctcc gatgtgtaag 600  
 62 ggctcccgtg gctggggaga gatttctgag gattgtcaga gcctgacgag cactgtctgt 660  
 64 gccggtggct gtgcccgtg caaggggcca ctgcccactg actgctgcca tgagcagtg 720  
 66 gctgcccggc gcacggggccc caagcactct gactgcctgg cctgcctcca cttcaaccac 780  
 68 agtggcatct gtgagctgca ctgcccagcc ctggtcacct acaacacaga cacgtttgag 840  
 70 tccatgcccc atcccaggg ccggtatata ttccggccca gctgtgtgac tgccctgtccc 900  
 72 tacaactacc tttctacgga cgtgggatcc tgcaccctcg tctgccccct gcacaaccaa 960  
 74 gaggtgacag cagaggatgg aacacagcgg tgtgagaagt gcagcaagcc ctgtgccccg 1020

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76 gtgtgctatg gtctgggcat ggagcacttg cgagagggtga gggcagttac cagtgccaat 1080
78 atccaggagt ttgctggctg caagaagatc tttgggagcc tggcatttct gccggagagc 1140
80 tttgatgggg acccagcctc caacactgcc ccgctccagc cagagcagct ccaagtgttt 1200
82 gagactctgg aagagatcac aggttaccta tacatctcag catggccgga cagcctgcct 1260
84 gacctcagcg tcttccagaa cctgcaagta atccggggac gaattctgca caatggcgcc 1320
86 tactcgctga cctgcaagg gctgggcatc agctggctgg ggctgcgctc actgaggaa 1380
88 ctgggcagtg gactggccct catccaccat aacaccacc tctgcttcgt gcacacggtg 1440
90 cctgggacc agctctttcg gaaccgcac caagctctgc tccacactgc caaccggcca 1500
92 gaggacgagt gtgtgggcga gggcctggcc tgccaccagc tgtgcgcccg agggcactgc 1560
94 tggggtccag ggcccaccca gtgtgtcaac tgcagccagt tccttcgggg ccaggagtgc 1620
96 gtggaggaat gccgagtact gcaggggctc cccaggagat atgtgaatgc caggcactgt 1680
98 ttgccgtgcc accctgagtg tcagccccag aatggctcag tgacctgtt tggaccggag 1740
100 gctgaccagt gtgtggcctg tgcccactat aaggaccctc ccttctgctg gcccgcctgc 1800
102 cccagcggtg tgaaacctga cctctcctac atgccatct ggaagtttcc agatgaggag 1860
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106 ggctgccccg ccgagcagag agccagccct ctgacgtcca tcgtctctgc ggtggttggc 1980
108 attctgctgg tcgtggtctt gggggtggtc tttgggatcc tcatcaagcg acggcagcag 2040
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112 acacctagcg gagcgatgcc caaccaggcg cagatgcgga tcctgaaaga gacggagctg 2160
114 aggaagggtga aggtgcttgg atctggcgct tttggcacag tctacaaggg catctggatc 2220
116 cctgatgggg agaattgtga aattccagtg gccatcaaag tgttgaggga aaacacatcc 2280
118 cccaaagcca acaaagaaat cttagacgaa gcatactga tggctggtgt gggctcccca 2340
120 tatgtctccc gccttctggg catctgcctg acatccacgg tgcagctggt gacacagctt 2400
122 atgccctatg gctgcctctt agaccatgtc cgggaaaacc gcggacgcct gggctcccag 2460
124 gacctgctga actggtgtat gcagattgcc aaggggatga gctacctgga ggatgtgcgg 2520
126 ctcgtaacaca gggacttggc cgctcggaac gtgctggtca agagtcccaa ccatgtcaaa 2580
128 attacagact tcgggctggc tcggctgctg gacattgacg agacagagta ccatgcagat 2640
130 gggggcaagg tgcccatcaa gtggatggcg ctggagtcca ttctccgccg gcggttcacc 2700
132 caccagagtg atgtgtggag ttatggtgtg actgtgtggg agctgatgac ttttggggcc 2760
134 aaaccttacg atgggatccc agcccgggag atccctgacc tgctggaaaa gggggagcgg 2820
136 ctgccccagc ccccatctg caccattgat gtctacatga tcatggtcaa atgttgatg 2880
138 attgactctg aatgtcgggc aagattccgg gagtgtgtgt ctgaattctc ccgcatggcc 2940
140 agggaccccc agcgctttgt ggtcatccag aatgaggact tggggccagc cagtcccttg 3000
142 gacagcacct tctaccgctc actgctggag gacgatgaca tgggggacct ggtggatgct 3060
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154 ccctctgaga ctgatggcta cggtgcccc ctgacctgca gccccagcc tgaatatgtg 3420
156 aaccagccag atgttcggcc ccagccccct tcgccccgag agggccctct gcctgctgcc 3480
158 cgacctgctg gtgccactct ggaaagggcc aagactctct cccaggggaa gaatggggtc 3540
160 gtcaaagacg tttttgcctt tgggggtgcc gtggagaacc ccgagtactt gacaccccag 3600
162 ggaggagtct cccctcagcc ccaccctcct cctgccttca gccagcctt cgacaacctc 3660
164 tattactggg accaggaccc accagagcgg ggggctccac ccagcacctt caaagggaca 3720
166 cctacggcag agaaccagga gtacctgggt ctggacgtgc cagtgtga 3768
169 <210> SEQ ID NO: 3
170 <211> LENGTH: 531
171 <212> TYPE: DNA

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174 <220> FEATURE:
175 <223> OTHER INFORMATION: Synthetic construct
177 <400> SEQUENCE: 3
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180 ttctgctggc atcaagaggt gggagggccc tccgaccact tccaggggaa cctgccatgc      120
182 caggaacctg tcctaaggaa ccttccttcc tgcttgagtt cccagatggc tgggaaggggt      180
184 ccagcctcgt tgggaagagga acagcactgg ggagtccttg tggattctga ggccctgccc      240
186 aatgagactc taggggtccag tggatgccac agcccagctt ggccctttcc ttccagatcc      300
188 tgggtactga aagccttagg gaagctggcc tgagagggga agcggcccta agggagtgtc      360
190 taagaacaaa agcgacccat tcagagactg tccctgaaac ctagtactgc ccccatgag      420
192 gaaggaacag caatggtgtc agtatccagg ctttgtacag agtgcttttc tgtttagttt      480
194 ttactttttt tgttttgttt ttttaaagat gaaataaaga ccagggggga g      531
197 <210> SEQ ID NO: 4
198 <211> LENGTH: 615
199 <212> TYPE: DNA
200 <213> ORGANISM: Artificial
202 <220> FEATURE:
203 <223> OTHER INFORMATION: Synthetic construct
205 <400> SEQUENCE: 4
206 tgaaccagaa ggccaagtcc gcagaagccc tgatgtgtcc tcaggagca ggggaaggcct      60
208 gacttctgct ggcatacaaga ggtgggaggg ccctccgacc acttccaggg gaacctgcca      120
210 tgccaggaac ctgtcctaag gaaccttcct tcctgcttga gttcccagat ggctggaagg      180
212 ggtccagcct cgttggaaga ggaacagcac tggggagtct ttgtggattc tgaggccctg      240
214 cccaatgaga ctctagggtc cagtggatgc cacagcccag cttggccctt tccttcaga      300
216 tcctgggtac tgaaagcctt agggaaagctg gcctgagagg ggaagcggcc ctaagggagt      360
218 gtctaagaac aaaagcgacc cattcagaga ctgtccctga aacctagtac tgccccccat      420
220 gaggaaggaa cagcaatggt gtcagtatcc aggccttgta cagagtgtt ttctgttttag      480
222 tttttacttt ttttgttttg tttttttaa gacgaaataa agaccaggg gagaatgggt      540
224 gttgtatggg gaggcaagtg tgggggggtcc ttctccacac ccactttgtc catttgcaaa      600
226 tataattttg aaac
229 <210> SEQ ID NO: 5
230 <211> LENGTH: 310
231 <212> TYPE: DNA
232 <213> ORGANISM: Artificial
234 <220> FEATURE:
235 <223> OTHER INFORMATION: Synthetic construct
237 <400> SEQUENCE: 5
238 tgaaccagaa ggccaagtcc gcagaagccc tgatgtgtcc tcaggagca ggggaaggcct      60
240 gacttctgct ggcatacaaga ggtgggaggg ccctccgacc acttccaggg gaacctgcca      120
242 tgccaggaac ctgtcctaag gaaccttcct tcctgcttga gttcccagat ggctggaagg      180
244 ggtccagcct cgttggaaga ggaacagcac tggggagtct ttgtggattc tgaggccctg      240
246 cccaatgaga ctctagggtc cagtggatgc cacagcccag cttggccctt tccttcaga      300
248 tcctgggtac
251 <210> SEQ ID NO: 6
252 <211> LENGTH: 219
253 <212> TYPE: DNA
254 <213> ORGANISM: Artificial
256 <220> FEATURE:

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257 <223> OTHER INFORMATION: Synthetic construct
259 <400> SEQUENCE: 6
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262 ggagaaacca ggggagcccc ccgggcagcc gcgcgccccct tcccacgggg ccctttactg      120
264 cgccgcgcgc ccggccccca cccctcgag caccgcgcgc cccgcgccct cccagccggg      180
266 tccagccgga gccatggggc cggagccgca gtgagcacc      219
269 <210> SEQ ID NO: 7
270 <211> LENGTH: 104
271 <212> TYPE: DNA
272 <213> ORGANISM: Artificial
274 <220> FEATURE:
275 <223> OTHER INFORMATION: Synthetic construct
277 <400> SEQUENCE: 7
278 ccttccttcc tgcttgagtt cccagatggc tggaaggggt ccagcctcgt tggaagagga      60
280 acagcactgg ggagtctttg tggattctga ggccctgccc aatg      104
283 <210> SEQ ID NO: 8
284 <211> LENGTH: 73
285 <212> TYPE: DNA
286 <213> ORGANISM: Artificial
288 <220> FEATURE:
289 <223> OTHER INFORMATION: Synthetic construct
291 <400> SEQUENCE: 8
292 cttttctggt tagtttttac ttttttgggt ttgttttttt aaagatgaaa taaagaccca      60
294 ggggagaatg ggt      73
297 <210> SEQ ID NO: 9
298 <211> LENGTH: 73
299 <212> TYPE: DNA
300 <213> ORGANISM: Artificial
302 <220> FEATURE:
303 <223> OTHER INFORMATION: Synthetic construct
305 <400> SEQUENCE: 9
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308 gggggagatg ggt      73
311 <210> SEQ ID NO: 10
312 <211> LENGTH: 73
313 <212> TYPE: DNA
314 <213> ORGANISM: Artificial
316 <220> FEATURE:
317 <223> OTHER INFORMATION: Synthetic construct
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322 gggggagatg ggt      73
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326 <211> LENGTH: 73
327 <212> TYPE: DNA
328 <213> ORGANISM: Artificial
330 <220> FEATURE:
331 <223> OTHER INFORMATION: Synthetic construct
333 <400> SEQUENCE: 11

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## RAW SEQUENCE LISTING

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Input Set : A:\Her2SeqLst.txt

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334 cttttctggt tagtttttac tttttttggt ttgttttttt aaagacgaaa taaagaccca 60
336 ggggggggatg ggt 73
339 <210> SEQ ID NO: 12
340 <211> LENGTH: 73
341 <212> TYPE: DNA
342 <213> ORGANISM: Artificial
344 <220> FEATURE:
345 <223> OTHER INFORMATION: Synthetic construct
347 <400> SEQUENCE: 12
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350 ggggaaaatg ggt 73
353 <210> SEQ ID NO: 13
354 <211> LENGTH: 73
355 <212> TYPE: DNA
356 <213> ORGANISM: Artificial
358 <220> FEATURE:
359 <223> OTHER INFORMATION: Synthetic construct
361 <400> SEQUENCE: 13
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364 ggggaagatg ggt 73
367 <210> SEQ ID NO: 14
368 <211> LENGTH: 73
369 <212> TYPE: DNA
370 <213> ORGANISM: Artificial
372 <220> FEATURE:
373 <223> OTHER INFORMATION: Synthetic construct
375 <400> SEQUENCE: 14
376 cttttctggt tagtttttac tttttttggt ttgttttttt aaagacgaaa taaagaccca 60
378 gggggaaatg ggt 73
381 <210> SEQ ID NO: 15
382 <211> LENGTH: 73
383 <212> TYPE: DNA
384 <213> ORGANISM: Artificial
386 <220> FEATURE:
387 <223> OTHER INFORMATION: Synthetic construct
389 <400> SEQUENCE: 15
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392 ggggaggatg ggt 73
395 <210> SEQ ID NO: 16
396 <211> LENGTH: 73
397 <212> TYPE: DNA
398 <213> ORGANISM: Artificial
400 <220> FEATURE:
401 <223> OTHER INFORMATION: Synthetic construct
403 <400> SEQUENCE: 16
404 cttttctggt tagtttttac tttttttggt ttgttttttt aaagacgaaa taaagaccca 60
406 ggggggaatg ggt 73
409 <210> SEQ ID NO: 17
410 <211> LENGTH: 73

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RAW SEQUENCE LISTING ERROR SUMMARY  
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Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,  
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28  
Seq#:29,30

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/579,500

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Input Set : A:\Her2SeqLst.txt

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L:12 M:270 C: Current Application Number differs, Replaced Current Application Number

L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date